Table 4: **p2p7p1p6**

HXB2 Location	Author Location	Sequence	Immunogen	Species(HLA)	References
•	B clade sequences supertype alleles to Three additional p individuals had Cl individuals recogn VLAEAMSQV bit 4/22 individuals w	- 233 peptides met this crested breviously described HLA TL that recognized at least 1 (median of nds to all five HLA-A2 supports)	A-A2 epitopes were added to the tone of the 23 peptides (media 1 and maximum of 2) pertype alleles tested: A*0201, and recognized this epitope, and it	human(A*0201) e A2-supermotif pattern conserved HLA-A*0201 – 20/30 bound to a the set of 20, and 18/22 chronica n of 2 and maximum of 6), while A*0202, A*0203, A*0206 and A* t was immunodominant in 3/4 by 1	t least 3/5 of HLA-A2 ally infected HLA-A2 6/12 acutely infected 6802 (highest affinity)
•	the A2 supertype, Progressors had me A positive correlat and CD4+ T-cells	16 for the A3 supertype) versiting CD8+ T-ceion between effector CD8 was observed, which may	while the effector cells of long-te lls that recognized far fewer epit	nd a negative correlation between NPs to clear virus	epitopes tested (18 for r fewer epitopes
p2p7p1p6(5–13)	Gag()	SQVTNPANI	Vaccine	murine BALB/c(H-2D ^b)	[Paliard (1998)]
•	HIV-1(SF2)p55gaş CTL that recognize A postulate: hetero	ed SQVTNPANI in the cor	el could prevent the maturation of	st this epitope in H-2 ${ m L}^d$ and an unof some T-cell receptor combination	
	This study provide		es and full length HIV-1 genome	human(A*02011) e sequences from a C subtype infecte peptide SNFKGNKRMVKCFN	
	p15(446–460 BRU	F	RQAN- HIV-1 infection osequently shown to stimulate ar	human(A2)	[Claverie (1988)]

HIV CTL Epitopes

	• Epitope G43 Patient 0	ent 07118 with HLA genoty 7118 has 4 more optimal per	HIV-1 infection pes A*0209, A*3201, B*4002, B*: ptides P55, PIQKETWETW with F B*4002;G31, QASQEVKNW with	HLA A*3201; N10, KEK					
	 3–97) p15(418–433 BRU) GNFLQSRPEPTAPPF HIV-1 infection human(A2) [Claverie (1988)] One of four epitopes first predicted, then subsequently shown to stimulate an HLA-A2 restricted CTL line 								
p2p7p1p6(118– 126)	p2p7p1p6(118–126)	KELYPLTSL		human(B*4001(B60))	[Brander & Goulder(2001)]				
,	• C. Brander notes that this is a B*4001 epitope								
p2p7p1p6(121– 130)	Gag(484–493)	YPLTSLRSLF	HIV-1 infection	human(B7)	[Jin (2000b)]				
	• This B7 epitope is one of three subdominant CTL responses detected in a long-term non-progressor								
•	 A dominant B7 epitope was defined using conventional methods, and three additional sub-dominant HLA B7 epitopes were defined by first using a non-anchor based strategy, EpiMatrix, to identify 2078 possible epitopes in the autologous HIV-1, followed by B7 anchor residue prediction to narrow the set to 55 peptides for experimental testing 								